

Work Order ID 63132

Thursday, October 21, 2010 1:25:16 PM



Page 1

Item ID: D3245-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Door Assembly

Start Date: 10/21/2010 Start Qty: 5 4.00



Cust Item ID:

Required Date: 10/28/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan: R

Date: 10-10-21

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3245	Rev B								
100	Pick Kit	0.00							
Packaging	Memo	0.00							
Packaging									
110	Small Fab	0.00							
Small Fab	Memo	0.00							
Small Fab	1-Install Studs and Gromets as per Dwg D3245□3-Bond Gasket using 3M ADHESIVE as per Dwg D3245□A/R 3M 1300/1300L ADHESIVE Batch: <u>M115230</u>								
120	QC5- Inspect part completeness to step on W/O	0.00							
QC	Memo	0.00							
Quality Control									

Ep 10/10/28 (5)

Ep 10/11/09 (5)

(5)

8 10/11/09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 63132

Thursday, October 21, 2010 1:25:16 PM



Page 2

Item ID: D3245-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Door Assembly

Start Date: 10/21/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 10/28/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130



Packaging

Packaging

Identify as per dwg & Stock Location: 236

0.00

Memo

PAP 63166 yx

0.00

14/1/5 5

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/11/09

MF

10-11-9

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, October 21, 2010 1:25:21 PM

Page 1

Work Order ID: 63132

Parent Item: D3245-043

Parent Item Name: Door Assembly

Start Date: 10/21/2010


Required Date: 10/28/2010

Start Qty: 4.00

Required Qty: 4.00


Comments: IPP Rev :A New Issue 07-09-11 JLM Verified By:EC
IPP Rev:b ECN 1052 07-10-31 DD verified by:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

127H-35		Purchased	No			100	Each	27.0000	8	32			
													
HALF GROMMET													


Location	Loc Qty	Loc Code
ST381	10	
115361	10	
ST398	17	
111581	17	

EP 10/11/09
M116049 (132)

2351-20-009-C3Y		Purchased	No			110	Each	142.0000	8	32			
													
STUD													


Location	Loc Qty	Loc Code
ST399	142	
106484	1	
110944	50	
111733	85	
15447	6	

EP 10/11/09
32 40

D3245-3		Manufactured	No			110	Each	0.0000	1	4			
													
Door													

B63130 (52)

EP 10/10/28

D3245-7		Manufactured	No			110	Each	2.0000	1	4			
													
Gasket													

Location	Loc Qty	Loc Code
ST233B	2	
46175	2	

EP 10/10/28
B63347 (32)
2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

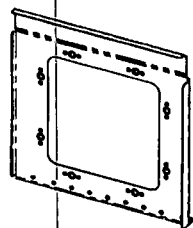
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

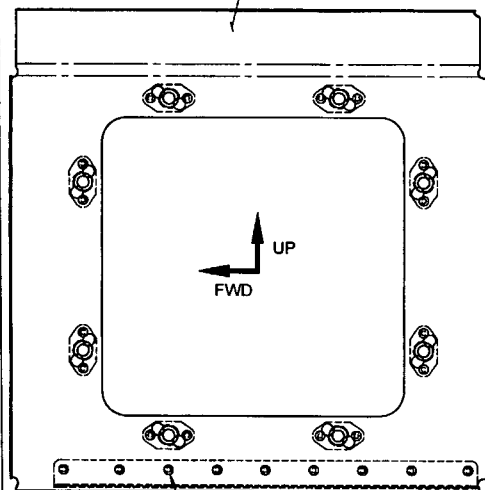
NOTE: Date & initial all entries

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 63132
21-10-21



D3245-1
PANEL

2350-18-C3Y DZUS
RIGID RECEPTACLE (1)
MS20427M3-3 RIVET (2)
(8 PLACES)



MS20615M3-3 RIVET
(9 PLACES)

D3245-041 ACCESS PANEL ASSEMBLY

RELEASED
07-10-23

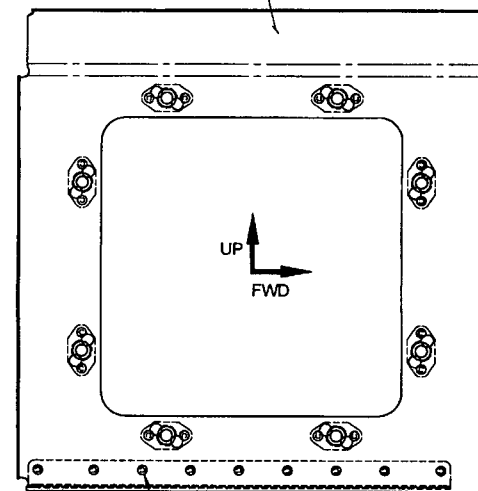
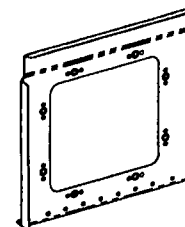
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) ASSEMBLE IN ACCORDANCE WITH DART QSI 002
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3245-XX" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.83 lbs

QTY -041	QTY -042	P/N	DESCRIPTION
X		D3245-041	ACCESS PANEL ASSEMBLY, LH
	X	D3245-042	ACCESS PANEL ASSEMBLY, RH
1		D3245-1	PANEL
1	1	D3245-2	PANEL
1	1	D3245-5	ANGLE PLATE
8	8	2350-18-C3Y	DZUS RIGID RECEPTACLE
16	16	MS20427M3-3	RIVET
9	9	MS20615M3-3	RIVET

2350-18-C3Y DZUS
RIGID RECEPTACLE (1)
MS20427M3-3 RIVET (2)
(8 PLACES)

D3245-2
PANEL



MS20615M3-3 RIVET
(9 PLACES)

D3245-042 ACCESS PANEL ASSEMBLY

B	REMOVE Ø0.204 HOLES FROM D3245-1/-1F. REMOVE MS21080-L3K NUTPLATES & DURABLE BLACK GASKETS FROM D3245-041/-042. HOLES AND ITEMS ARE NOW PART OF INSTALLATION. ASSIGN P/Ns TO GASKETS & REFORMAT DRAWING	MB	07.10.02
A	NEW ISSUE	RF	04.01.27
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>	DRAWING NO.	REV. B
CHECKED	<i>[Signature]</i>	D3245	SHEET 1 OF 7
MFG. APPR.	<i>[Signature]</i>	TITLE	SCALE
APPROVED	<i>[Signature]</i>	ACCESS PANEL ASSEMBLY	1:2.5
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DATE	07.10.02		

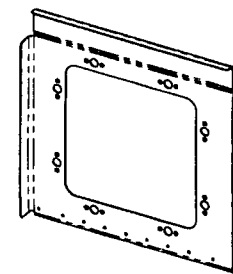
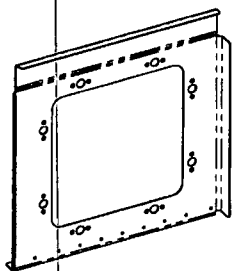
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

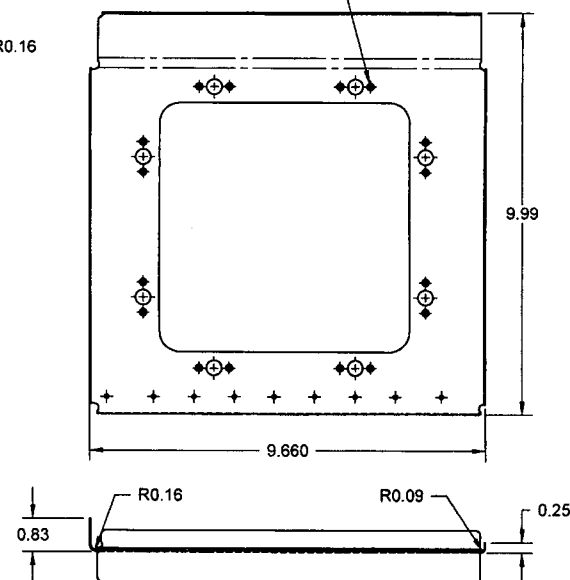
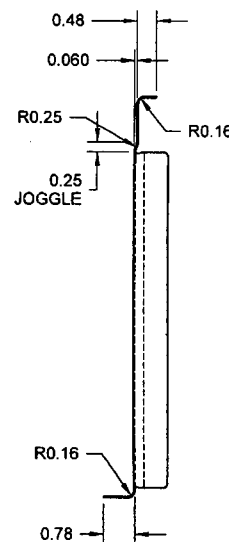
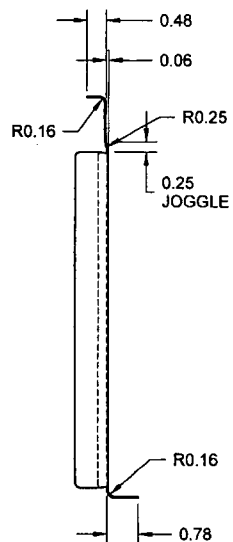
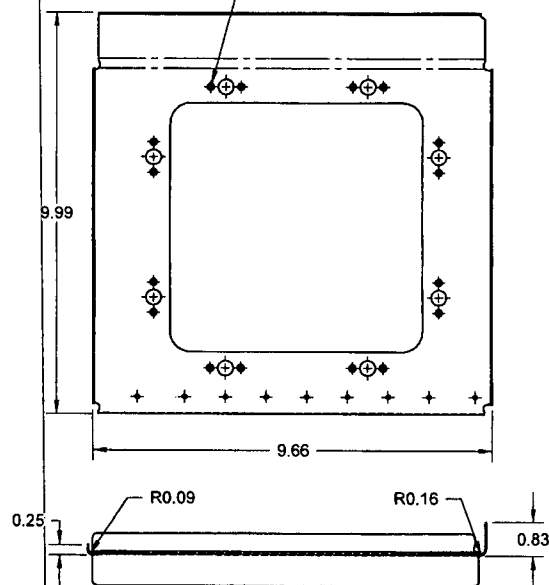
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



C'SINK $\varnothing 0.170 \times 100^\circ$
(16 PLACES)

C'SINK $\varnothing 0.170 \times 100^\circ$
(16 PLACES)



D3245-1 PANEL BEND DETAIL, LH

D3245-2 PANEL BEND DETAIL, RH

RELEASED
10-23

- NOTES:
- 1) MATERIAL: MAKE FROM D3245-1F
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.70 lbs

w/c 43132

DESIGN	PH	DART AEROSPACE LTD	
DRAWN	PH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.	PH	D3245	SHEET 2 OF 7
APPROVED	PH	TITLE	SCALE
DE APPR.	PH	ACCESS PANEL ASSEMBLY	1:3
DATE	07.10.02	COPYRIGHT © 2004 BY DART AEROSPACE LTD	
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4 3 2 1

D3245-5 DOOR

2351-20-009-C3Y STUD (1)
127H-35 GROMMET (1)
(8 PLACES)

D3245-7 GASKET
(REF)

8.00
(TYP, REF)

D3245-043 DOOR ASSEMBLY

INSTALL D3245-7
GASKET ON THIS SIDE

QTY -043	P/N	DESCRIPTION
X	D3245-043	ACCESS PANEL ASSEMBLY
1	D3245-3	DOOR
1	D3245-7	GASKET
8	2351-20-009-C3Y	STUD
8	127H-35	GROMMET

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) INSTALL D3245-7 GASKET USING 3M SCOTCH-GRIP 1300/1300L ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
- 7) ASSEMBLE IN ACCORDANCE WITH DART QSI 002
- 8) IDENTIFICATION: IDENTIFY WITH DART P/N "D3245-043" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 9) WEIGHT: 0.73 lbs

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>[Signature]</i>	DRAWING NO. D3245
MFG. APPR.	<i>[Signature]</i>	REV. B
APPROVED	<i>[Signature]</i>	SHEET 3 OF 7
DE APPR.	<i>[Signature]</i>	TITLE ACCESS PANEL ASSEMBLY
DATE	07.10.02	SCALE 1:2
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RELEASED
7/10/02

ulc 43132

8 7 6 5 4 3 2 1

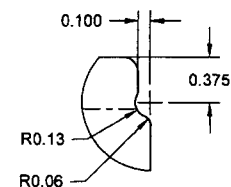
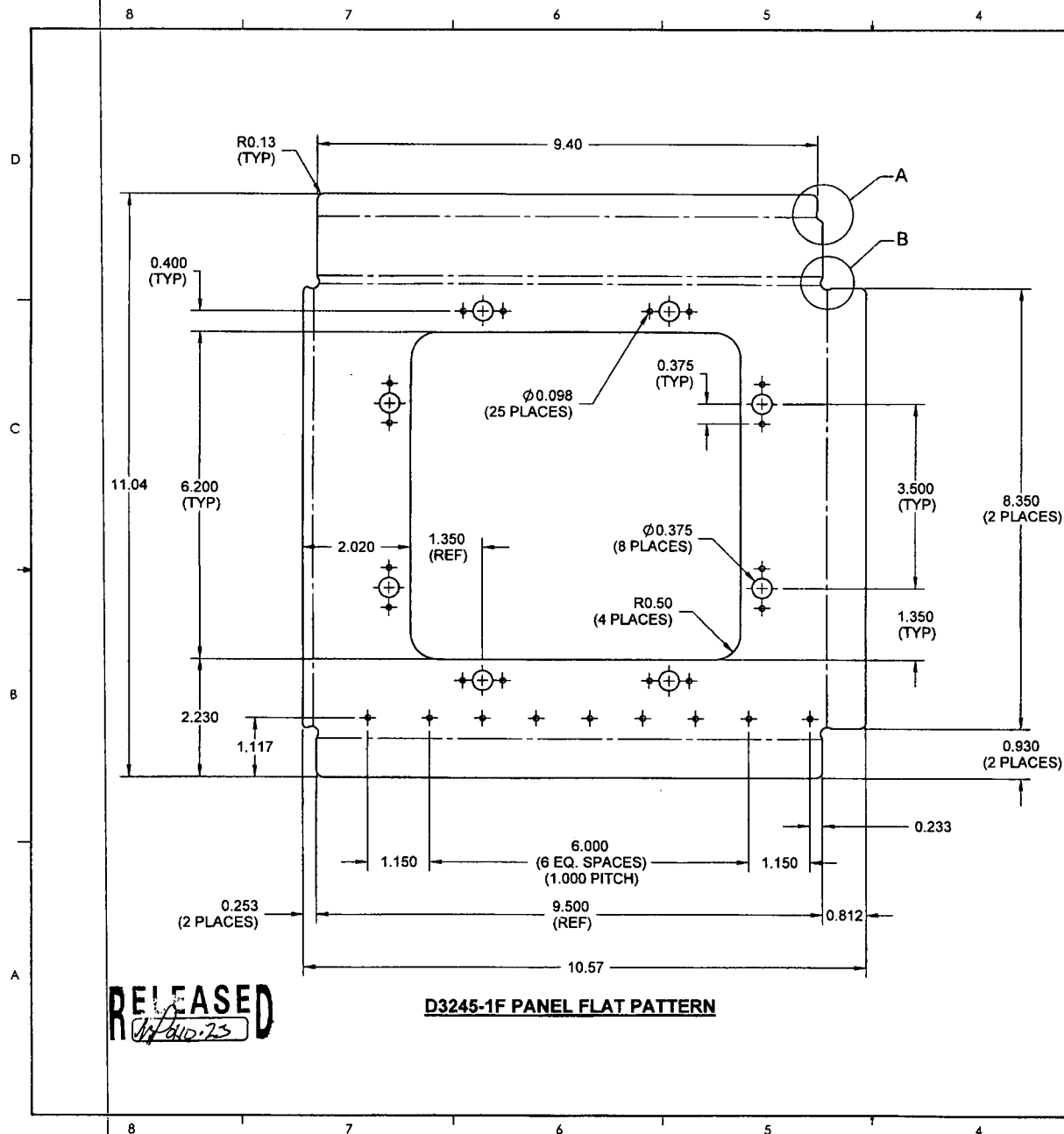
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

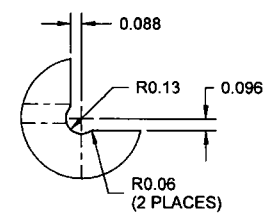
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DETAIL A: RELIEF
SCALE 1:1

ul6332



DETAIL B: RELIEF
(TYP. 4 PLACES)
SCALE 1:1

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET (0.032 THICK, REF) PER MIL-S-5019 (ANNEALED) 2B FINISH (REF. DART SPEC. M304S22GA)
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.70 lbs

DESIGN	<i>PH</i>	DART AEROSPACE LTD	
DRAWN	<i>PH</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>PH</i>	DRAWING NO. D3245	REV. B
MFG. APPR.	<i>PH</i>		SHEET 4 OF 7
APPROVED	<i>PH</i>	TITLE	SCALE
DE APPR.	<i>PH</i>	ACCESS PANEL ASSEMBLY	1:2
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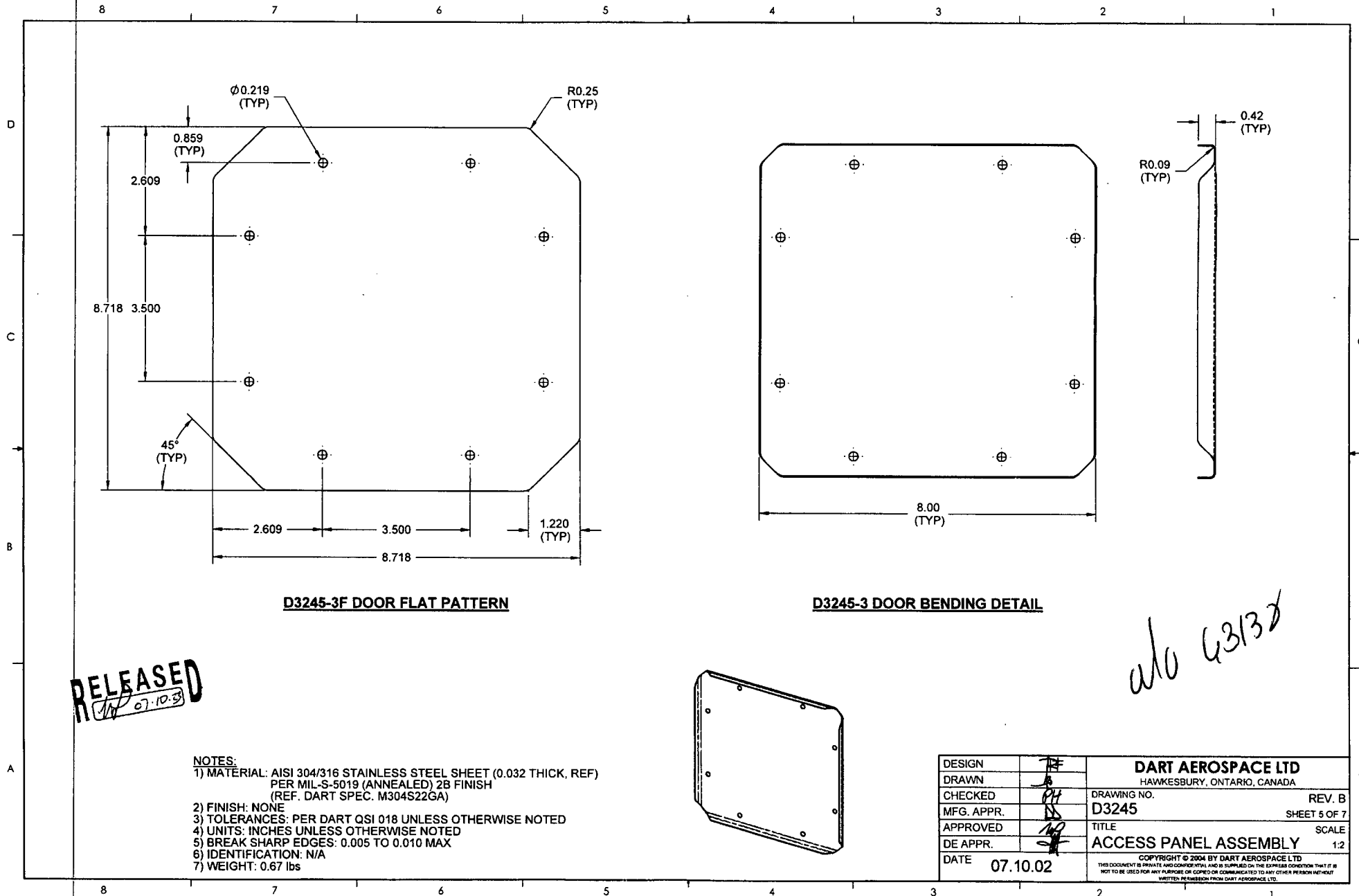
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

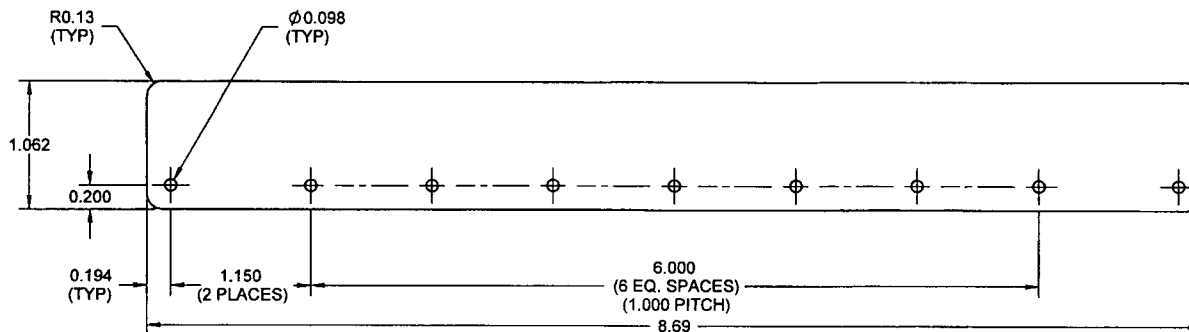
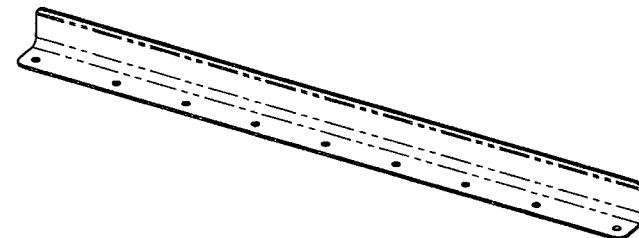
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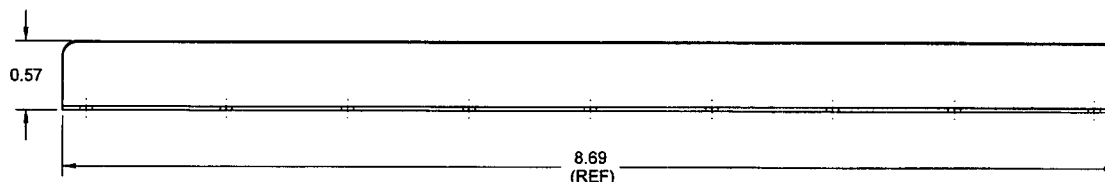
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8 7 6 5 4 3 2 1

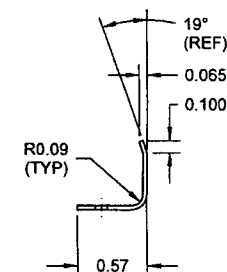


D3245-5F FLAT PATTERN



**D3245-5 BEND DETAIL
(MAKE FROM D3245-5F)**

W063137



RELEASED
07.10.23

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET (0.032 THICK, REF)
PER MIL-S-5019 (ANNEALED) 2B FINISH
(REF. DART SPEC. M304S22GA)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.08 lbs

DESIGN	<i>TF</i>	DART AEROSPACE LTD	
DRAWN	<i>PH</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>SS</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>MP</i>	D3245	SHEET 6 OF 7
APPROVED	<i>MP</i>	TITLE	SCALE
DE APPR.	<i>MP</i>	ACCESS PANEL ASSEMBLY	1:1
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8 7 6 5 4 3 2 1

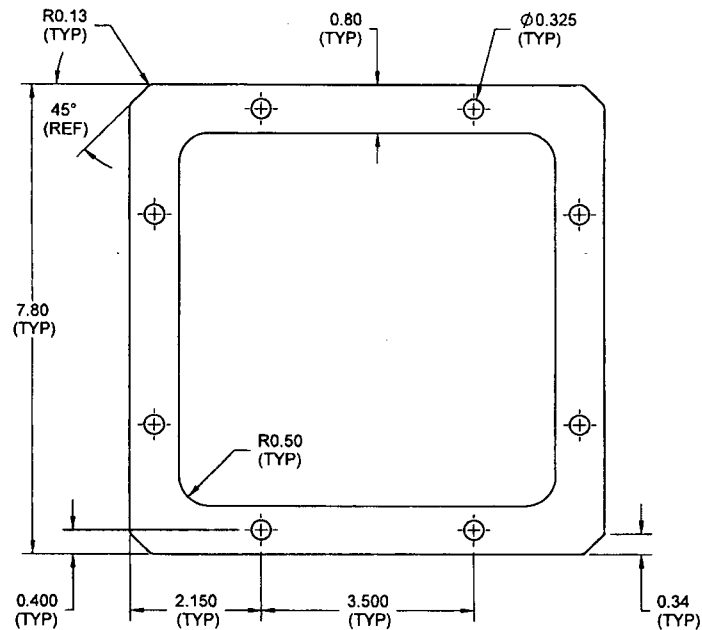
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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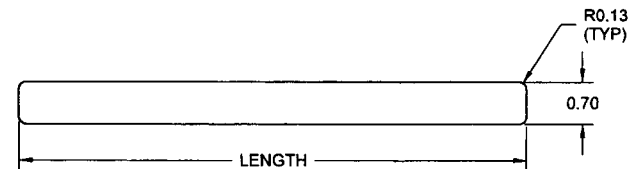
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



D3245-7 GASKET



D3245-X GASKET

P/N	LENGTH
D3245-9	8.35
D3245-11	9.01
D3245-13	9.50

RELEASED
07.10.02

NOTES:

- 1) MATERIAL: DURABLE BLACK GASKET, 0.035 THICK
(PER MIL-A-7021C OR MIL-A-17472B OR MIL-G-12803A)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

DESIGN		DART AEROSPACE LTD
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. D3245
MFG. APPR.		REV. B
APPROVED		SHEET 7 OF 7
DE APPR.		TITLE ACCESS PANEL ASSEMBLY
DATE	07.10.02	SCALE 1:2

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